

For Research Use Only

# IL-13Ra1 Recombinant antibody

Catalog Number: 84525-4-RR



## Basic Information

Catalog Number:

84525-4-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC009960

GeneID (NCBI):

3597

UNIPROT ID:

P78552

Full Name:

interleukin 13 receptor, alpha 1

Calculated MW:

49 kDa

Observed MW:

70-75 kDa

Purification Method:

Protein A purification

CloneNo.:

241834G10

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HUVEC cells, HT-29 cells, K-562 cells, A549 cells

## Background Information

IL-13 is an immunoregulatory cytokine secreted predominantly by activated T-helper 2 (Th2) cells and performs multiple functions through a complex receptor system comprised of IL-4Ra and two IL-13 binding proteins, IL-13Ra1 and IL-13Ra2 (PMID: 12704343). IL-13Ra1 is a glycosylated transmembrane protein (PMID: 10856136; 9723655). IL-13Ra1 is expressed on a wide range of cells including B cells, monocytes, macrophages, basophils, mast cells, and endothelial cells (PMID: 10856136; 31866859). IL-13 binding to the IL-4Ra/IL-13Ra1 complex leads to activation of JAK1, JAK2, and TYK2 and subsequent phosphorylation of STAT6 and STAT3 (PMID: 31866859).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

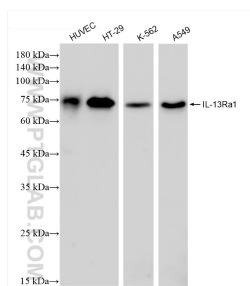
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84525-4-RR (IL-13Ra1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.